

**ANNUAL SHELLFISH MANAGEMENT REVIEW**  
**for the period**  
**January 1st to December 31st, 2007**

**Municipality:** Scarborough

**Date:** 02/28/08

The Shellfish Conservation Committee submits the following information in partial fulfillment of its responsibilities under Chapter 7 of the Department of Marine Resources Regulations and the Shellfish Conservation Ordinance of this municipality.

**Statement of Management Goals and Implementation Actions**

The goals of shellfish management for this municipality have been: (check only one of each pair)

- 1) ☒ provide a harvesting opportunity for the maximum number of participants  
☐ maximize individual harvest by minimizing the number of participants
- 2) ☐ increase the clam resource through various enhancement activities  
☒ maintain a sustainable yield through the vigorous use of production controls
- 3) ☐ provide for recreational harvesting in preference to commercial harvesting  
☒ provide for commercial harvesting in preference to recreational harvesting
- 4) ☐ maximize the economic value of the resource by adjusting production  
☒ maintain a constant production to provide a steady but variable income

The following management controls were utilized: (check all that apply)

- ☒ limit the number of commercial harvesters
- ☒ limit the number of recreational harvesters
- ☒ restrict times of harvest
- ☒ restrict the areas of harvest
- ☐ limit the amount of commercial harvest
- ☒ limit the amount of recreational harvest
- ☐ other:

The following management activities were undertaken: (check all that apply)

- ☒ predator protection through fencing, netting, trapping and etc.
- ☒ reseeding from high density areas or seeding with hatchery stock
- ☒ flat surveys to determine size distribution and density
- ☐ harvester surveys to obtain catch and effort data
- ☐ enhance natural seeding through brushing, roughing and etc.
- ☒ establishing conservation areas for flat rotation
- ☐ other: \_\_\_\_\_

**Shellfish Committee/Staff****Municipality:** Scarborough

<b>Title</b>	<b>Name</b>	<b>Mailing Address</b>	<b>Telephone</b>
Chair	<u>Robert Willette</u>	<u>P.O. Box 271, Scarborough, ME 04070</u>	<u>883-3083</u>
Vice Chair	<u>Terrence Twomey</u>	<u>119 Fogg Road, Scarborough, ME 04070</u>	<u>885-9766</u>
Secretary	<u>Timothy Downs</u>	<u>P.O. Box 175, Scarborough, ME 04070</u>	<u>632-4330</u>
Member(s)	<u>Robert Ferron</u>	<u>34 Hanson Road, Scarborough, ME 04070</u>	<u>883-6573</u>
	<u>Stefanie Dylewskii</u>	<u>45 Clay Pits Road, Scarborough, ME 04070</u>	<u>885-0706</u>
	<u>John McIntosh</u>	<u>14 Ash Swamp Rd, Scarborough, ME 04070</u>	<u>883-3904</u>
	<u>Edward Blanchard</u>	<u>146 Payne Road, Scarborough, ME 04070</u>	<u>883-8640</u>
Selectmen/ Council Rep.	<u>Richard Sullivan</u>	<u>1 Sullivan Farm Rd, Scarborough, ME 04070</u>	<u>883-1689</u>
Wardens	<u>David Corbeau</u>	<u>P.O. Box 360, Scarborough, ME 04070</u>	<u>730-4319</u>
	<u>Dwayne Hopkins</u>	<u>P.O. Box 360, Scarborough, ME 04070</u>	<u>883-6361</u>
WQSpec(s)	<u>David Corbeau</u>	<u>P.O. Box 360, Scarborough, ME 04070</u>	<u>730-4319</u>
	<u>Dwayne Hopkins</u>	<u>P.O. Box 360, Scarborough, ME 04070</u>	<u>883-6361</u>

**Committee Meetings**The Shellfish Committee holds regularly scheduled meetings: ☒ yes   ☐ noThe following number of meetings was held during the past year: 12Minutes of meetings are recorded, filed and are available upon request: ☒ yes   ☐ no**Conservation Credit**The opportunity to obtain conservation credit is provided: ☒ yes   ☐ noThe total number of conservation hours needed to obtain credit is 12.Conservation credit is required to obtain a: ☒ renewal license☐ new license

Conservation hours are given for:

<input type="checkbox"/> meeting attendance	<input checked="" type="checkbox"/> coastal cleanup	<input checked="" type="checkbox"/> brushing
<input checked="" type="checkbox"/> committee service	<input checked="" type="checkbox"/> surveys	<input checked="" type="checkbox"/> predator control
<input checked="" type="checkbox"/> educational activities	<input checked="" type="checkbox"/> reseeding	<input checked="" type="checkbox"/>

If conservation credit is not provided, the total number of volunteer man-hours documented for management activities during the past year is: n/a.

Municipality: Scarborough

Hours Patrolled:	<u>2,490</u>
Diggers Checked:	<u>1,410</u>
Warnings Given:	<u>91</u>
Summon Issued:	<u>6</u>
Court Appearances:	<u>3</u>
Convictions:	<u>3</u>

Enforcement of the shellfish management ordinance has been: ☒ satisfactory  
☐ unsatisfactory

Enforcement could be improved by:

<input type="checkbox"/> more hours patrolled	<input checked="" type="checkbox"/> better training
<input type="checkbox"/> more wardens	<input checked="" type="checkbox"/> greater state support
<input type="checkbox"/> better equipment	<input type="checkbox"/> other:

The warden is provided with a written job description: ☒ yes ☐ no

Month	Avg. Daily Catch/Digger	Avg. # of Diggers/Day	Total # of Days Dug	Total Lbs [ ] or Bu [x]
January	3	9	24	648
February	3.5	10	22	770
March	4	15	26	1,560
April	4	20	24	1,920
May	4.5	24	26	2,808
June	4.5	26	27	3,159
July	4	26	24	2,496
August	4.5	22	26	2,574
September	4	20	23	1,840
October	4	14	22	1,232
November	3.5	11	23	886
December	3.5	9	21	662
			TOTAL	20,501

Warden(s)	Training Date	Nomination Date
<i>David Corbeau</i>	<i>04/27/06</i>	<i>02/28/08</i>
<i>Dwayne Hopkins</i>	<i>04/27/06</i>	<i>02/28/08</i>

**Shellfish Conservation Budget**
**Municipality:** Scarborough

<b>License Receipts</b>	<b>Allocation</b>	<b>Sold</b>	<b>Received</b>
<i>Commercial</i>			
Resident	27	27	\$5,400
Nonresident	4	4	\$1,600
Senior Resident	5	5	\$500
Senior Nonresident	0	0	\$0
Junior/Student Resident	10	10	\$1,000
Junior/Student Nonresident	1	1	\$200
Other: n/a	-	-	\$0
<i>Recreational</i>			
Resident	200	200	\$5,000
Nonresident	20	20	\$1,000
Daily/Weekly/Monthly Res.	-	-	\$0
Daily/Weekly/Monthly Nonres.	10/d	400	\$4,000
Senior Resident	-	-	\$0
Senior Nonresident	-	-	\$0
Junior/Student Resident	-	-	\$0
Junior/Student Nonresident	-	-	\$0
Other: n/a	-	-	\$0
SUBTOTAL (1)			\$18,700
<b>Receipts Independent of License Fees</b>			
Shellfish Conservation Account Carried Forward			\$0
Funds Raised for Warden			\$0
Funds Raised for Management Activities			\$2,500
Fines			\$800
Other			\$0
SUBTOTAL (2)			\$3,300
TOTAL Receipts (1+2)			\$22,000
<b>Disbursements</b>			
Warden Salary			\$47,900
Mileage			\$0
Clothing			\$800
Equipment			\$750
Training			\$600
SUBTOTAL (3)			\$50,050
Advertising			\$0
Supplies			\$300
Surveys			\$0
Seeding			\$0
Miscellaneous			\$0
SUBTOTAL (4)			\$300
TOTAL Disbursements (3+4)			\$50,350

## Proposed Management Controls

Municipality: Scarborough

The following management controls will be utilized for the coming year: (check all that apply)

- ☒ limit the number of commercial harvesters
- ☒ limit the number of recreational harvesters
- ☒ restrict times of harvest
- ☐ restrict the areas of harvest
- ☐ limit the amount of commercial harvest
- ☐ limit the amount of recreational harvest
- ☐ other:

## Proposed Shellfish Licenses

<u>License</u>	<u>Number</u>	<u>Cost @</u>
<i>Commercial</i>		
Resident	<u>26</u>	<u>\$200</u>
Nonresident	<u>4</u>	<u>\$400</u>
Senior Resident	<u>5</u>	<u>\$100</u>
Senior Nonresident	<u>0</u>	<u>\$200</u>
Junior/Student Resident	<u>9</u>	<u>\$100</u>
Junior/Student Nonresident	<u>1</u>	<u>\$200</u>
Other	<u></u>	<u></u>
<i>Recreational</i>		
Resident	<u>200</u>	<u>\$25</u>
Nonresident	<u>20</u>	<u>\$50</u>
Daily/Weekly Monthly Res.	<u></u>	<u></u>
Daily/Weekly Monthly Nonres.	<u>10</u>	<u>\$10</u>
Senior Resident	<u></u>	<u></u>
Senior Nonresident	<u></u>	<u></u>
Junior/Student Resident	<u></u>	<u></u>
Junior/Student Nonresident	<u></u>	<u></u>
Other	<u></u>	<u></u>

License number determination is based upon: ☐ calculation using survey data  
☒ survey data as a guide  
☐ harvester input  
☐ need/demand

The above numbers are:

- ☐ tentative, the actual numbers to be determined later
- ☒ firm, have been or will be submitted to DMR

## Proposed Management Activities

Municipality: Scarborough

The following management activities will be undertaken during the coming year: (check all that apply)

- ☒ predator protection through fencing, netting, trapping and etc.
- ☐ reseeding from high density areas or with hatchery stock
- ☒ flat surveys to determine size distribution and density
- ☒ harvester surveys to obtain catch and effort data
- ☐ enhance natural seeding through brushing, roughing and etc.
- ☒ establishing conservation areas for flat rotation
- ☐ other:

In order to implement these management activities the committee will utilize: (check all that apply)

- ☒ harvesters vested with conservation credit
- ☒ harvester volunteers
- ☐ paid harvesters
- ☒ municipal employees
- ☐ paid consultants
- ☐ other:

To provide a forum for harvester input in management planning, the shellfish committee plans to meet:

- ☐ annually
- ☐ biannually
- ☐ quarterly
- ☐ bimonthly
- ☒ monthly

Meeting notification for other than regularly scheduled meetings is by:

- ☒ mailing
- ☒ phone call
- ☒ posting
- ☒ newspaper
- ☒ word of mouth

In order to keep the DMR informed and to solicit advice on management activities, the shellfish committee will:

- ☒ request the area biologist to participate in all meetings
- ☐ request the area biologist to participate in only specific meetings
- ☐ invite the area biologist to attend all meetings
- ☐ invite the area biologist to attend only specific meetings

**Summary of Clam Flat Survey Data****Municipality:** Scarborough

The following is a list of surveys conducted during the past year. Survey data should be attached if not previously provided to DMR. [ ] No surveys were conducted.

Clam Flat	Survey Date	Acreage	Density (bu/a)	Standing Crop (bu.)	%>2" by vol.
<i>Docks Creek</i>	<i>5/30</i>	<i>5.4</i>	<i>167.5</i>	<i>905</i>	<i>93</i>
<i>Clay Pits Bay</i>	<i>8/24</i>	<i>17.0</i>	<i>207.9</i>	<i>3,534</i>	<i>96</i>
<i>Jones Creek</i>	<i>9/8</i>	<i>16.2</i>	<i>83.0</i>	<i>1,345</i>	<i>85</i>
<i>Nonesuch Point</i>	<i>9/25</i>	<i>20.5</i>	<i>76.4</i>	<i>1,565</i>	<i>92</i>
<i>Turners Bar</i>	<i>8/25</i>	<i>19.7</i>	<i>105.2</i>	<i>2,077</i>	<i>84</i>
<i>Western Beach</i>	<i>9/18</i>	<i>36.7</i>	<i>25.7</i>	<i>903</i>	<i>99</i>

The flats surveyed represent approximately 45% of the total productive flats.

**Summary of Transplant Activities****Municipality:** Scarborough

The following seeding / reseeding activities were conducted during the past year.

☒ No seeding / reseeding activities were conducted.

	Event 1	Event 2	Event 3	Event 4
Date				
Supervisor				
Crew #				
Amount				
Mean Size (in.)				
Size Range (in.)				
Source				
Source Flat				
Receiv. Flat				
Netted (y/n)				
Closed until				

	Event 5	Event 6	Event 7	Event 8
Date				
Supervisor				
Crew #				
Amount				
Mean Size (in.)				
Size Range (in.)				
Source				
Source Flat				
Receiv. Flat				
Netted (y/n)				
Closed until				



## Summary of Conservation Closures

Municipality: Scarborough

The following is a list of conservation closures implemented or in effect during the past year.  
(This table is for areas normally open.)      ☒ No conservation areas were closed.

Conservation Area	Acreage	Closing Date	Opening Date	Days Closed*	Reason

\*during 2007

## Summary of Conservation Openings

The following is a list of conservation openings implemented or in effect during the past year.  
(This table is for areas normally closed.)      ☐ No conservation areas were opened.

Conservation Area	Acreage	Opening Date	Closing Date	Days Open*	Reason
<i>Jones Creek</i>	<i>16.2</i>	<i>1/1</i>	<i>12/31</i>	<i>104</i>	<i>Cropping</i>

\*during 2007

**Additional Activities****Municipality:** Scarborough**Spatfall Enhancement**

The following is a list of activities to promote clam settlement such as brushing, flat roughing, tenting or netting.      ☒ No such activities were conducted.

Location	Date	Description

**Predator Protection**

The following is a list of activities to protect clams from predators such as trapping, netting and hand collecting.      ☐ No such activities were conducted.

Location	Date	Description
<i>Jones Creek</i>		<i>Crab collecting,</i>
<i>Libby River</i>		<i>Crab collecting.</i>

**Other Activities**

The following is a list of other activities that benefit, directly or indirectly, the management program such as educational projects, participation in regional councils and shoreline cleanup.

☐ No such activities were conducted.

Location	Date	Description
<i>Scarborough Shores</i>		<i>Shoreline cleanup.</i>